

TITLE OF THE INVENTION

METHODS FOR TISSUE CULTURING AND  
TRANSFORMING ELITE INBREDS OF *ZEa MAYS* L.

ABSTRACT OF THE DISCLOSURE

5           The present invention is directed to methods for the tissue culture and transformation of elite  
inbreds of corn (*Zea mays* L.). More specifically, the present invention is directed to a method for  
initiating Type II callus from corn tissue. The present invention is also directed to a method for  
enhancing the intergration of foreign DNA in the transformation of corn using a heat shock  
treatment. The present invention is further directed to a method of transforming elite inbreds of corn  
10       using *Agrobacterium*.

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